FIG. 1

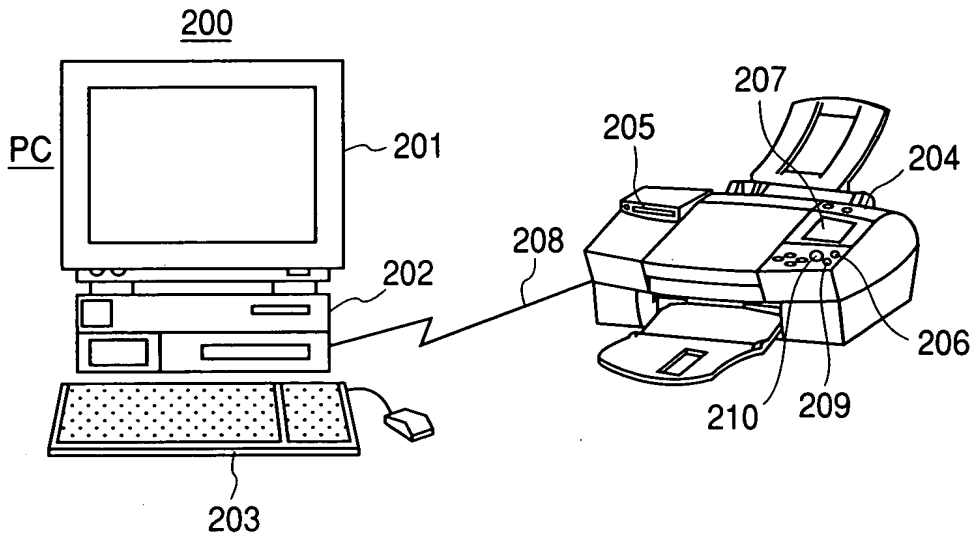


FIG. 2

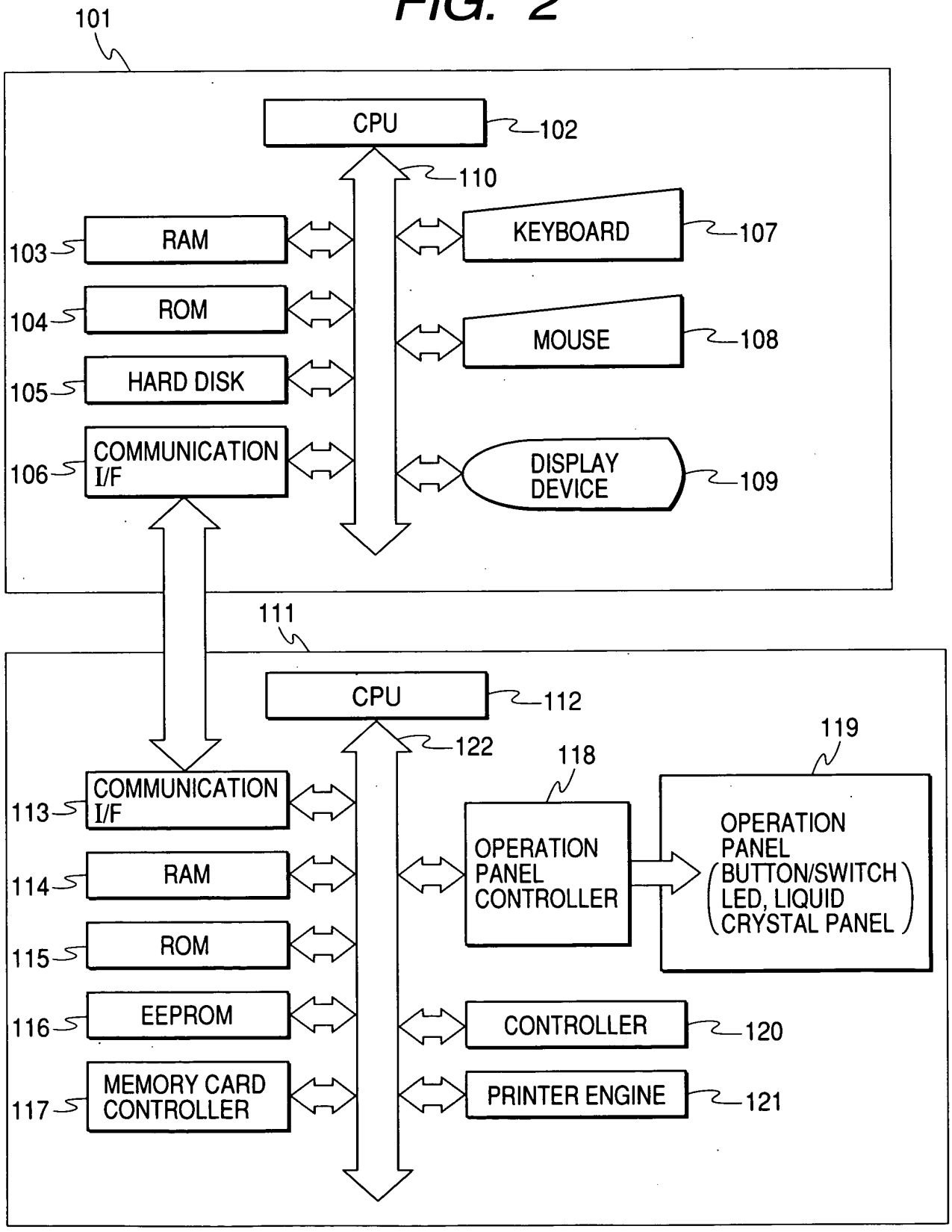

101
CPU
102
110
RAM
103
ROM
104
HARD DISK
105
COMMUNICATION I/F
106
KEYBOARD
107
MOUSE
108
DISPLAY DEVICE
109
111
CPU
112
122
COMMUNICATION I/F
113
RAM
114
ROM
115
EEPROM
116
MEMORY CARD CONTROLLER
117
118
OPERATION PANEL CONTROLLER
119
OPERATION PANEL
BUTTON/SWITCH
LED, LIQUID CRYSTAL PANEL
CONTROLLER
120
PRINTER ENGINE
121

FIG. 3

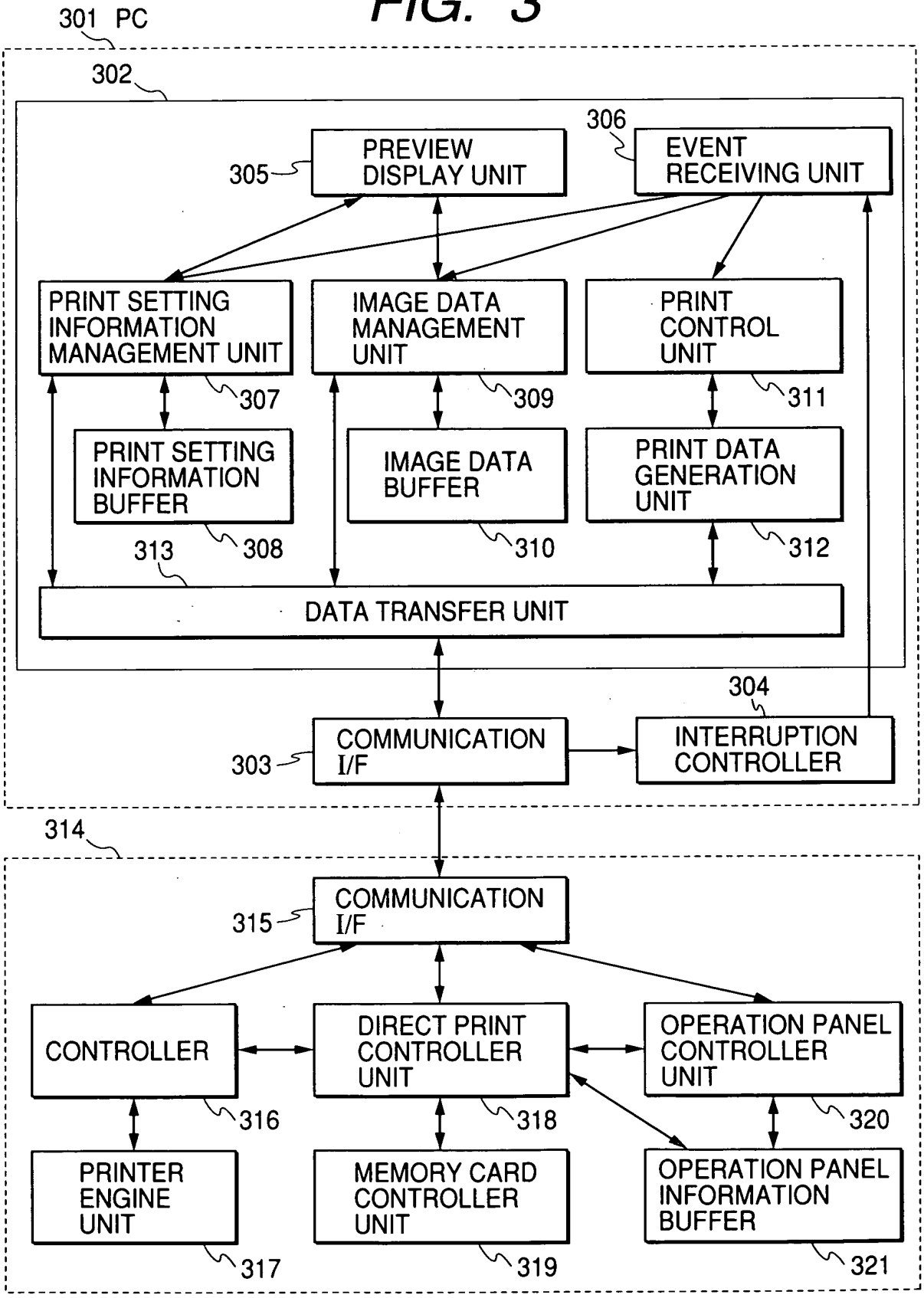

301 PC
302
306
305
PREVIEW DISPLAY UNIT
EVENT RECEIVING UNIT
PRINT SETTING INFORMATION MANAGEMENT UNIT
IMAGE DATA MANAGEMENT UNIT
PRINT CONTROL UNIT
307
309
311
PRINT SETTING INFORMATION BUFFER
IMAGE DATA BUFFER
PRINT DATA GENERATION UNIT
313
308
310
312
DATA TRANSFER UNIT
304
303
COMMUNICATION I/F
INTERRUPTION CONTROLLER
314
315
COMMUNICATION I/F
CONTROLLER
DIRECT PRINT CONTROLLER UNIT
OPERATION PANEL CONTROLLER UNIT
316
318
320
PRINTER ENGINE UNIT
MEMORY CARD CONTROLLER UNIT
OPERATION PANEL INFORMATION BUFFER
317
319
321

FIG. 4

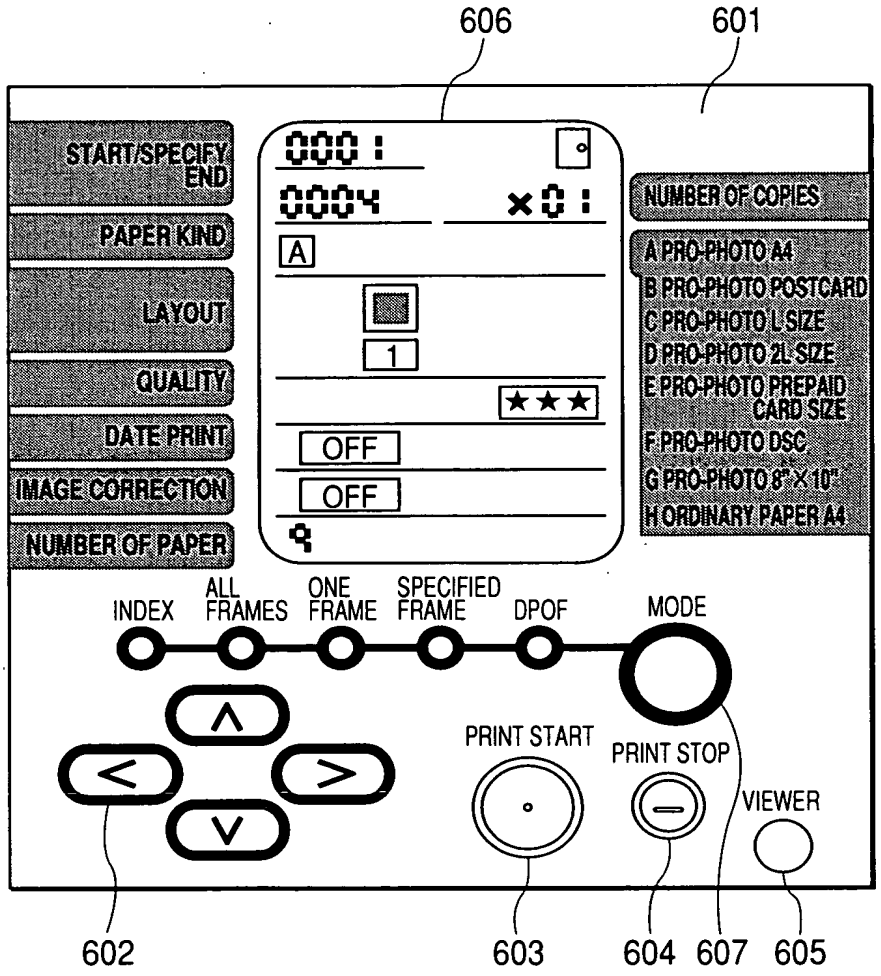

606
601
START/SPECIFY END
PAPER KIND
LAYOUT
QUALITY
DATE PRINT
IMAGE CORRECTION
NUMBER OF PAPER
000 :
0004
×01
A
1
★★★
OFF
OFF
NUMBER OF COPIES
A PRO-PHOTO A4
B PRO-PHOTO POSTCARD
C PRO-PHOTO L SIZE
D PRO-PHOTO 2L SIZE
E PRO-PHOTO PREPAID CARD SIZE
F PRO-PHOTO DSC
G PRO-PHOTO 8" × 10"
H ORDINARY PAPER A4
INDEX
ALL FRAMES
ONE FRAME
SPECIFIED FRAME
DPOF
MODE
PRINT START
PRINT STOP
VIEWER
602
603
604
607
605

FIG. 5

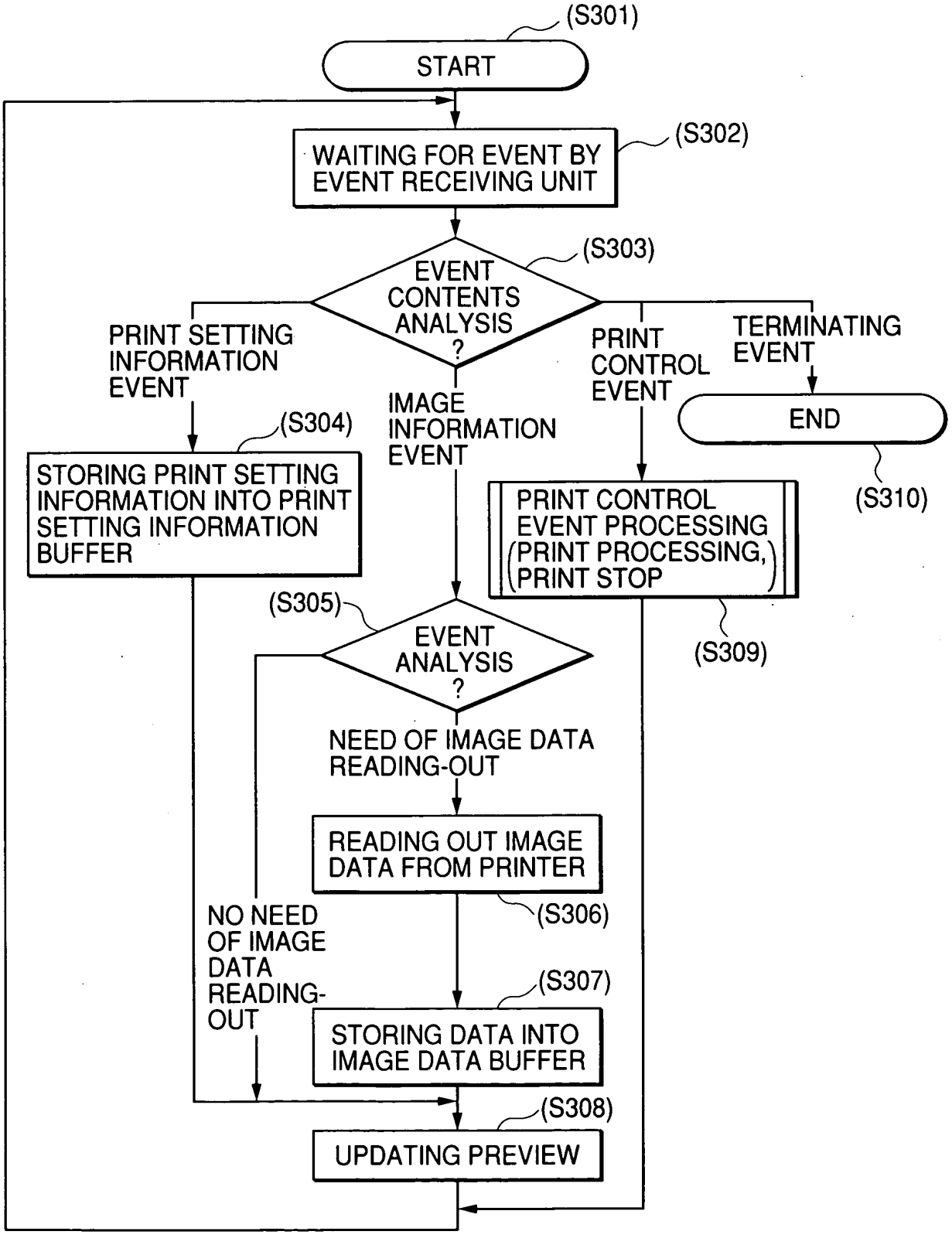

(S301)
START
WAITING FOR EVENT BY EVENT RECEIVING UNIT
(S302)
EVENT CONTENTS ANALYSIS ?
(S303)
PRINT SETTING INFORMATION EVENT
IMAGE INFORMATION EVENT
PRINT CONTROL EVENT
TERMINATING EVENT
END
(S310)
(S304)
STORING PRINT SETTING INFORMATION INTO PRINT SETTING INFORMATION BUFFER
PRINT CONTROL EVENT PROCESSING (PRINT PROCESSING, PRINT STOP)
(S309)
(S305)
EVENT ANALYSIS ?
NEED OF IMAGE DATA READING-OUT
READING OUT IMAGE DATA FROM PRINTER
(S306)
NO NEED OF IMAGE DATA READING-OUT
(S307)
STORING DATA INTO IMAGE DATA BUFFER
(S308)
UPDATING PREVIEW

FIG. 6

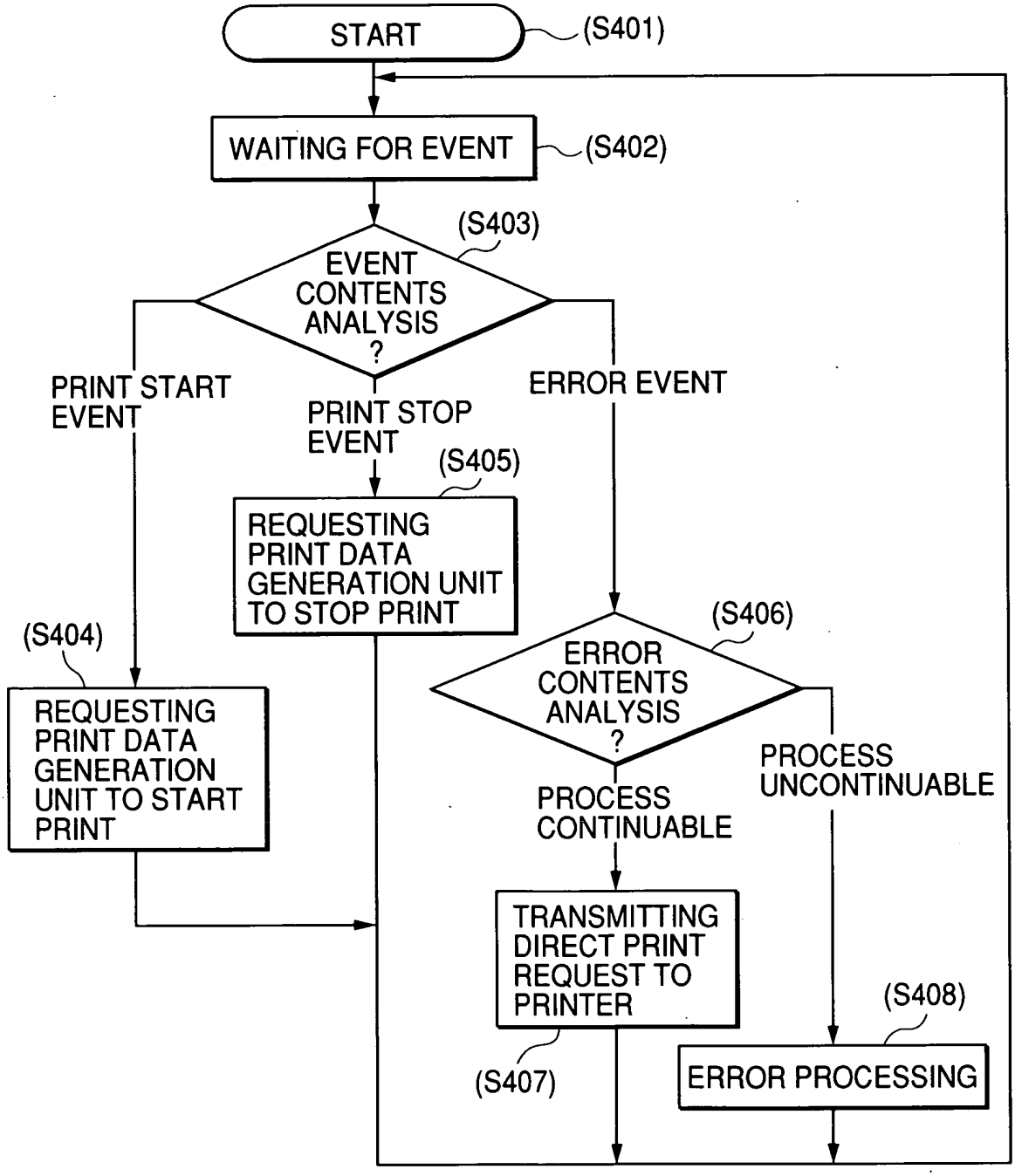

START
(S401)
WAITING FOR EVENT
(S402)
(S403)
EVENT CONTENTS ANALYSIS ?
PRINT START EVENT
PRINT STOP EVENT
ERROR EVENT
(S405)
REQUESTING PRINT DATA GENERATION UNIT TO STOP PRINT
(S404)
REQUESTING PRINT DATA GENERATION UNIT TO START PRINT
(S406)
ERROR CONTENTS ANALYSIS ?
PROCESS CONTINUABLE
PROCESS UNCONTINUABLE
TRANSMITTING DIRECT PRINT REQUEST TO PRINTER
(S407)
(S408)
ERROR PROCESSING

FIG. 7

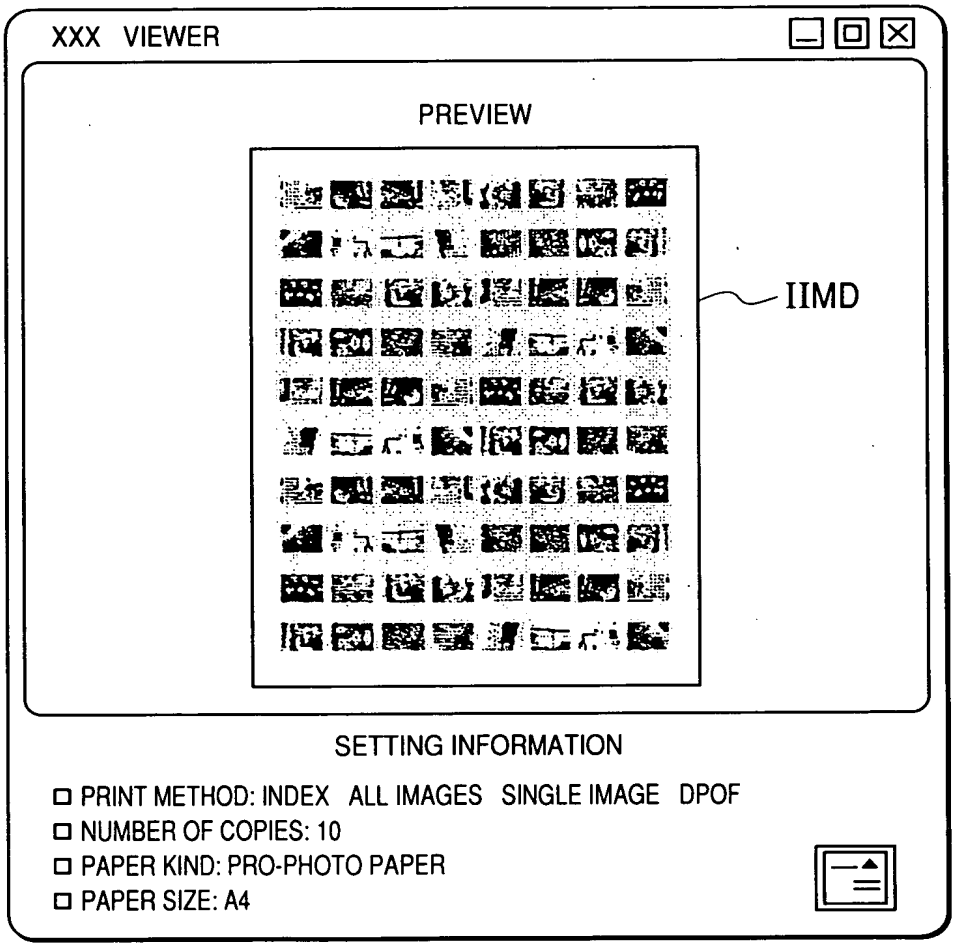

XXX VIEWER
PREVIEW
IIMD
SETTING INFORMATION
PRINT METHOD: INDEX ALL IMAGES SINGLE IMAGE DPOF
NUMBER OF COPIES: 10
PAPER KIND: PRO-PHOTO PAPER
PAPER SIZE: A4

FIG. 8

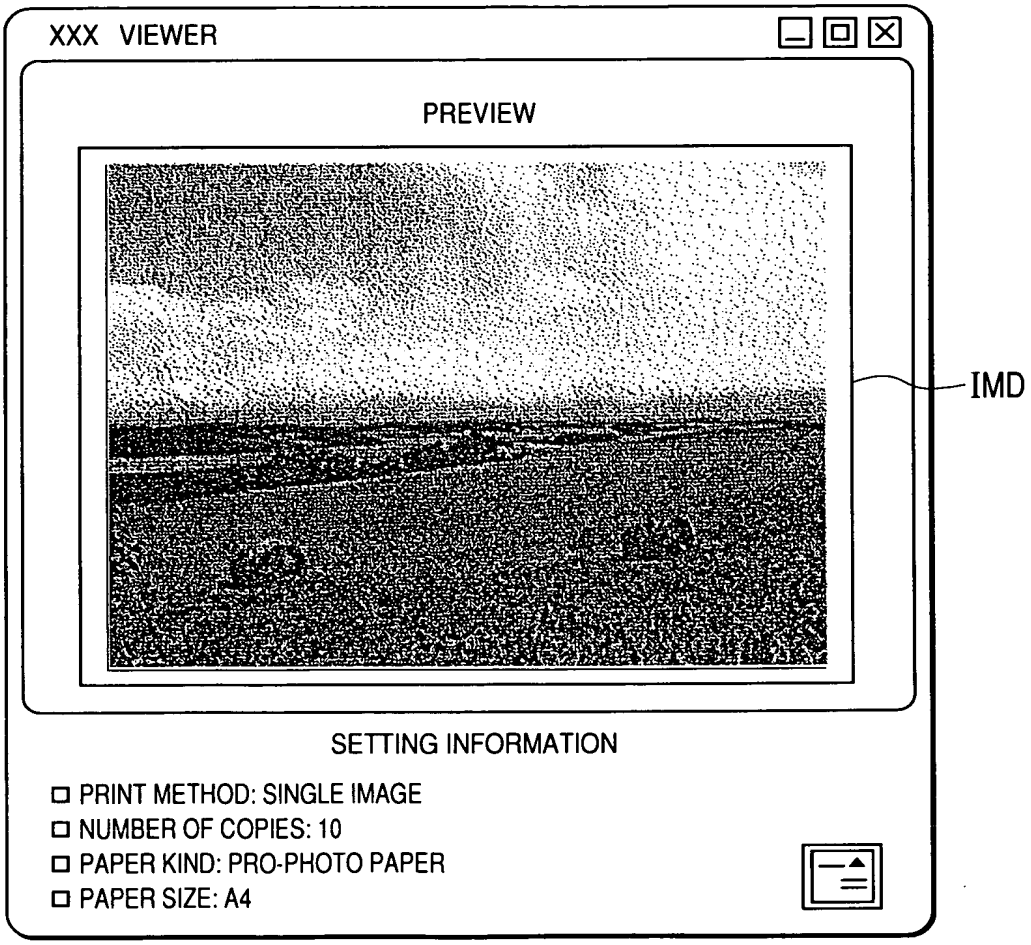
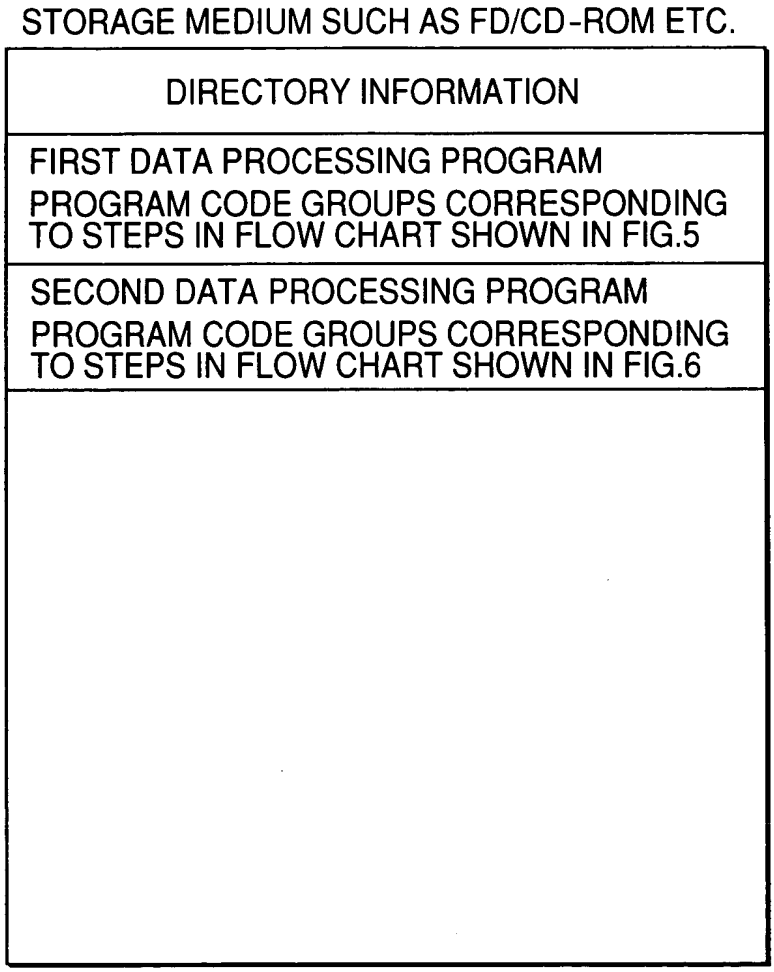

XXX VIEWER
PREVIEW
IMD
SETTING INFORMATION
PRINT METHOD: SINGLE IMAGE
NUMBER OF COPIES: 10
PAPER KIND: PRO-PHOTO PAPER
PAPER SIZE: A4

FIG. 9


STORAGE MEDIUM SUCH AS FD/CD-ROM ETC.
DIRECTORY INFORMATION
FIRST DATA PROCESSING PROGRAM
PROGRAM CODE GROUPS CORRESPONDING TO STEPS IN FLOW CHART SHOWN IN FIG.5
SECOND DATA PROCESSING PROGRAM
PROGRAM CODE GROUPS CORRESPONDING TO STEPS IN FLOW CHART SHOWN IN FIG.6